ACCESSION NR: AT4026280 S/2563/63/000/223/0109/0112

AUTHOR: Sy*rovegin, A. G.

TITLE: Analysis of highly purified copper and chromium on the DFS-9 spectrograph

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy*, no. 223, 1963. Metallurgiya tsvetny*kh metallov (Metallurgy of nonferrous metals), 109-112

TOPIC TAGS: copper, spectrograph, spectrographic analysis, chromium, copper analysis, chromium analysis

ABSTRACT: In the production of pure metals, a simple method is required which will ensure the needed sensitivity and accuracy in determining the presence of impurities. The present paper describes a method for the analysis of purified copper and chromium using the DFS-9 spectrograph. Specially purified standard samples of copper and chromium oxide were used and were analyzed for Ni, Fe and Ag and for Cu, Pb and Fe, respectively. It was found that this method ensured the measurement of nickel, iron, and silver impurities in purified copper over a concentration range of 0.0001-0.0005%. Copper, lead, and iron impurities in chromium could be determined in the range 0.0005-0.01%. Standard curves are shown. Orig. art. has: 3 figures.

Card 1/2

ACCESSION NR: AT4026280

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute)

SUBMITTED: 00	DATE ACQ: 16Apr64	ENCL: 00
SUB CODE: MM	NO REF SOV: 002	OTHER: 000

2/2

Card

SYROVEGIN, A.G.

Analysis of high-purity copper and chromium on a DFS-9 spectrograph. Trudy LPI no.223:109-112 '63.
(MIRA 17:11)

ZUBCHANINOV, V.V.; ASTROV, O.V.; VOLKOVA, O.D.; KURENKOV, Yu.V.; SAMBUROVA, I.V.; SAFRONOVA, L.I.; SYROVEGINA, G.G.; RADUSHINSKIY, L.A., kand. tekhn.nauk, retsenzent; TILLES, S.A., kand. tekhn. nauk, red.; PETUKHOVA, G.N., red. izd-va; DEMKINA, N.F., tekhn. red.

[Economic efficiency of the automation of production processes in the textile industry]Ekonomicheskaia effektivnost' avtomatizatsii proizvodstvennykh protsessov tekstil'noi promyshlennosti. [By] Zubchaninov, V.V., i dr. Moskva, Mashgiz, 1962. 198 p. (MIRA 15:11)
(Textile industry--Costs) (Automation)

RABICHEVA, L.M.; SLONIMSKIY, B.I.; LAZAREV, V.I.; ALYUSHIN, Ye.I.; POLETAYEV, G.S.; Prinimali uchastiye: TARASOV, Ye.I.; AFONIN, P.I.; SYROVEGINA, K.V., nauchnyy sotrudnik

Electrothermal method of obtaining zinc dust. Sbor. nauch. trud. Gintsvetmeta no.18:165-174 '61. (MIRA 16:7)

1. Nachal'nik elektrotermicheskoy ustanovki Belovskogo tsinkovogo zavoda (for Tarasov). 2. Starshiy master elektrotermicheskoy opytnoy ustanovki Belovskogo tsinkovogo zavoda (for Afonin). 3. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Syrovegina).

(Zinc—Electrometallurgy)

RABICHEVA, L.M.; LAZAREV, V.I.; ALYUSHIN, Ye.I.; POLETAYEV, G.S.;
Prinimali uchastiye: TARASOV Ye.I.; AFONIN, P.I.; SYROVEGINA,
K.V., nauchnyy sotrudnik; LEVIN, I.Kh., nauchnyy sotrudnik

Obtaining liquid zinc in the electric smelting process. Sbor.
nauch. trud. Gintsvetmeta no.18:175-186 '61. (MIRA 16:7)

1. Nachal'nik elektrotermicheskoy opytnoy ustanovki Belovskogo
tsinkovogo zavoda (for Tarasov). 2. Starshiy master elektroterми-
cheskoy opytnoy ustanovki Belovskogo tsinkovogo zavoda (for Afonin).
3. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov (for Syrovegina, Levin).
(Zinc—Electrometallurgy)
(Liquid metals)

RABICHEVA, L.M.; SYROVEGINA, K.V.

Obtaining zinc oxide by the electrothermal method. Sbor. nauch. trud. Gintsvetmeta no.19:453-461 '62.
(MIRA 16:7)
(Zinc—Electrometallurgy)

YEVDOKIMENKO, A.I.; KOTLYARENKO, V.V.; Prinimali uchastiye: RABICHEVA, L.M.; SYROVEGINA, K.V.; LEVIN, I.Kh.; GAVRILENKO, A.F.; RYABOV, A.V.; ALYUSHIN, Ye.I.; MARCHENKO, V.G.; BOLOTIN, L.G.; AFONIN, P.I.; SEVER'YANOV, G.N.

Heat exchange and the condensation of zinc vapor in drop condensers. Sbor. nauch. trud. Gintsvetmeta no.19:536-549 '62. (MIRA 16:7)

1. Sotrudniki Gosudarstvennogo nauchno-issledovatel'skogo instituta tsvetnykh metallov (for Rabicheva, Syrovegina, Levin, Gavrilenko, Ryabov). 2. Belovskiy tsinkovyy zavod (for Alyushin, Marchenko, Bolotin, Afonin, Sever'yanov).

PINAYEV, A.K.; FEL'METSGER, V.I.; POLETAYEV, G.S.; MARCHENKO, V.G.; Prinimali uchastiye: RABICHEVA, L.M.; SYROVEGINA, K.V.; AFONIN, P.I.; SHNAYDER, I.F.; BOLOTIN, L.G.

Electrothermic method of obtaining zinc. TSvet.met. 36 no.2: 25-30 F '63. (MIRA 16:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Rabicheva, Syrovegina, Levin). 2. Belovskiy tsinkovyy zavod (for Afonin, Shnayder, Bolotin).
(Zinc—Electrometallurgy)

RABICHEVA, L.M.; MARCHENKO, V.G.; SYROVEGINA, K.V.; LEVIN, I.Kh.; FEL'METSGER, V.I.

[Investigating and introducing the electrothermic method of producing zinc] Issledovanie i vnedrenie elektrotermicheskogo sposoba polucheniia tsinka. Moskva, 1963. 80 p. (MIRA 17:5)

1. Moscow. TSentral'nyy institut informatsii tsvetnoy metallurgii.

MESHCHANINOVA, V.I.; VINOGRADOVA, M.A.; RABICHEVA, L.M.; BABINA, I.V.; NIKITINA, I.S.; SYROVEGINA, K.V.; MYZENKOV, F.A.

Developing a flow sheet for the dressing of zinc fluorite ores from the "Voznesenskoye" deposit and determining the behavior of fluorine in the process of zinc recovery from concentrates. Sbor. nauch. trud. Gintsvetmeta no.23: 165-181 '65. (MIRA 18:12)

ACC NR: AP6029676 (A, N) SOURCE CODE: UR/0413/66/000/015/0033/0033

INVENTORS: Voronin, G. I.; Arkharov, A. M.; Lomakina, O. A.; Syrovets, M. N. 37

ORG: none

TITLE: A low-pressure apparatus for obtaining liquid oxygen from the air. Class 17, No. 184274

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 33

TOPIC TAGS: oxygen, liquid oxygen, gas liquefier, liquefaction technique

ABSTRACT: This Author Certificate presents a low-pressure apparatus for obtaining liquid oxygen from the air by low temperature rectification (see Fig. 1). The apparatus consists of an air compressor and of heat exchangers placed consecutively behind the compressor and serving for cleaning and cooling the compressed air, a rectifier with an evaporator for dividing the air into its components, and an external cooler. To increase the efficiency and to lower the cost of the apparatus, the external cooler is placed in front of the rectifier in the stream of the air being

Card 1/2 UDC: 621.593.05:661.93

L 09260-67
ACC NR: AP6029876

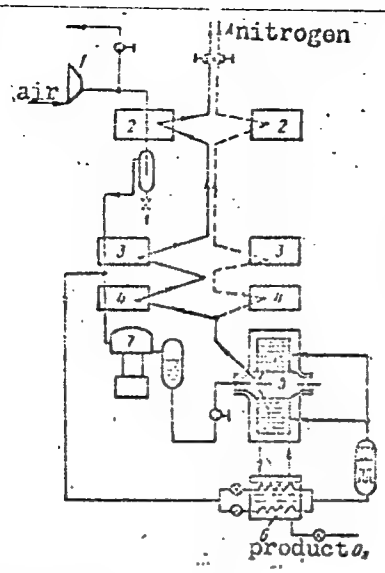


Fig. 1. 1 - compressor; 2 - heat exchanger-liquefier; 3 - preliminary heat exchanger; 4 - main heat exchangor; 5 - rectifier; 6 - evaporator; 7 - external cooler

processed. Orig. art. has: 1 figure.

SUB CODE: 07/13 SUBM DATE: 20Nov64/

MIKOYAN, A.I.; MARINENKO, A.Ya., inzh.; RAPPOPORT, A.M., inzh.; SLEPNEV, K.V., inzh.; SYROVOY, P.Ye., inzh.. Prinimali uchastiye: BORODIN, D.D., inzh.; ZHARKOV, M.A., inzh.; SHIPUNOV, B.G., inzh.; KURAKOV, V.Ya., tekhnik. STRAKHOV, L.G., otv.red.; KOMPANTSEV, N.N., otv.red.; KRASIL'NIKOV, S.D., red.; ZUDAKIN, I.M., tekhn.red.

[The MIG-17PF and MIG-17F airplanes; instructions for operation and maintenance] Samolety MiG-17PF i MiG-17F; instruktsiia po tekhnicheskoi ekspluatatsii i obsluzhivaniiu. Moskva, Gos.izd-vo obor.promyshl., 1957. 143 p. diagrs.

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Fighter planes) (Jet planes, Military)

SYROVOY, V.A. (Moskva)

Invariant group solutions to the equations of a laminar stationary beam of charged particles. PMTF no.4:10-20 Jl-Ag '62. (MIRA 16:1)

(Differential equations) (Particles (Nuclear physics)

ACCESSION NR: AP3002801 S/0207/63/000/003/0026/0035

AUTHOR: Sy*rovoy, V. A. (Moscow)

TITLE: Invariant-group solution of spatially stationary equations for beam of charged particles

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1963, 26-35

TOPIC TAGS: nonrelativistic equation, particle beam, infinitesimal operator, Lee group, linear independent operator, subgroup

ABSTRACT: The group properties of normal nonrelativistic equations for a charged particle beam have been investigated in a stationary case in a magnetic field of arbitrary orientation. The general solution of a system of governing equations for the infinitesimal operator coordinates is found and represented by the group G of beam equations (S), using Lee groups to generate linear independent operators. An optimum system of two-parameter subgroups is constructed, permitting the discovery for all various existing H-solutions of rank one. The invariant-group solutions are obtained in four orthogonal coordinate systems: Cartesian x, y, z,; cylindrical R, ψ, z; spiral cylindrical q_1, q_2, z; and spherical r, θ, ψ. It is shown that the Cartesian and cylindrical coordinate systems are the limiting cases of the spiral-

Card 1/2 cylindrical coordinate system. Orig art. has: 62 equations.

ACCESSION NR: AP4022645 S/0207/64/000/001/0003/0025

AUTHOR: Syrovoy, V. A. (Moscow)

TITLE: Invariant-group solutions of equations of a nonstationary beam of charged particles

SOURCE: Zhurnal priklad. mekhan. i tekhn. fiz., no. 1, 1964, 3-25

TOPIC TAGS: invariant-group solution, charged particle, stationary beam, partial differential equation, nonrelativistic equation, monoenergetic nonstationary beam, external magnetic field, spatial beam, H-solution, focusing electrode, relativistic beam

ABSTRACT: The author studies the equation of a nonrelativistic, monoenergetic, nonstationary beam of charged particles with the same value and sign for a specific charge η in an arbitrarily oriented external magnetic field H. He assumes that at each point the velocity vector is a single-valued function, and finds the basic group G_t of equations of a spatial beam, which turns out to be widest for H = 0. The plane flow described by H-solutions of rank 1 and rank 2

Card 1/2

ACCESSION NR: AP4022645

is analyzed in detail. He makes several remarks on beams which are regular in the sense of Gabor, gives spatial H-solutions, and also gives several analytic solutions describing certain processes in structures with a plane, cylindrical, and spherical geometry. For several nonstationary beams he determines the focusing electrodes. He gives several results related to computation of the basic group of equations of a relativistic beam in the case where the radiation of moving charges is negligible. Orig. art. has: 81 formulas, 7 figures, and 2 tables.

ASSOCIATION: none

SUBMITTED: 10Nov63 DATE ACQ: 08Apr64 ENCL: 00

SUB CODE: PH, MM NO REF SOV: 007 OTHER: 023

Card 2/2

ACCESSION NR: AP4034266 S/0207/64/000/002/0003/0007

AUTHOR: Syrovoy, V. A. (Moscow)

TITLE: Solution of Pierce's problem for a strip beam with arbitrarily specified emission

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1964, 3-7

TOPIC TAGS: focusing electrode, Cauchy problem, Laplace equation, strip shaped beam, space charge, zero equipotential

ABSTRACT: The author solved Pierce's problem for a strip beam of like charged particles (with arbitrary conditions on the emitter) and determined the focusing electrodes for such a beam. This is a Cauchy problem for Laplace's equation. The following set of equations was solved:

$$u^2 + 2\eta\varphi = u_0^2, \quad \rho u = j_0, \quad d^2\varphi/dx^2 = -4\pi\rho \qquad (1)$$

where u is the velocity of the particle, φ is the potential, ρ is the density of space charge, η is the specific charge of the particle, x is the distance from the emitter, u_0 is the initial velocity, and j_0 is the flow density. The author dealt

Card 1/2

ACCESSION NR: AP4041189 S/0207/64/000/003/0024/0031

AUTHOR: Syrovoy, V. A. (Moscow)

TITLE: On one-component single charged particle beams

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 24-31

TOPIC TAGS: coordinate system, monoenergetic, nonrelativistic beam, ion, electron, differential equation, beam trajectory, ordinary differential equation, nontrivial solution, orthogonal coordinate, Lame condition, Euclidean space

ABSTRACT: The coordinate system necessary for the study of one-component (x^1 in a Cartesian system x^1, x^2, x^3), monoenergetic, nonrelativistic beam, composed of particles of the same charge (ions or electrons) was investigated. The differential equation describing the beam trajectory in x^1-direction is given by

$$f(x)w^{1/2}\frac{d^2w}{(dx^1)^2}+\frac{\partial f(x)}{\partial x^1}w^{1/2}\frac{dw}{dx^1}+h(x)w^{1/2}=F(x^2,x^3)$$

$$f(x)=|(g^{11})^2 g_{22}g_{33}|^{1/2},\quad h(x)=\frac{(g_{11})^2}{\sqrt{g}}\frac{\partial}{\partial x^i}\left(\sqrt{g}\,g^{ik}\frac{\partial g^{11}}{\partial x^k}\right),\quad w=\left(\frac{dW}{dx^1}\right)^2,$$

where $f(x) = f(x^1, x^2, x^3)$. The sufficient conditions for x^1-direction flow

Card 1/3

require the above equation to be an ordinary differential equation in w, or

$$\Phi(x^1)w'' + \Phi'(x^1)w' + \Psi(x^1)w = w^{(n)}(x^1)$$

for

$$f(x) = \Phi(x^1)F(x^2, x^3) + G(x)$$
$$H(x)h(x) = \Psi(x^1)F(x^2, x^3) + H(x)$$

where Φ and Ψ are functions of x^1. For a nontrivial solution satisfying the condition $f(x) = 0$ (x^1) $F(x^2, x^3)$, $h(x) = \Psi(x^1)$ Lamé's identities are given

$$2\frac{\partial^2 \ln g_{\alpha\alpha}}{\partial x^\beta \partial x^\gamma} + \frac{\partial \ln g_{\alpha\alpha}}{\partial x^\beta}\frac{\partial \ln g_{\alpha\alpha}}{\partial x^\gamma} - \frac{\partial \ln g_{\alpha\alpha}}{\partial x^\beta}\frac{\partial \ln g_{\beta\beta}}{\partial x^\gamma} - \frac{\partial \ln g_{\alpha\alpha}}{\partial x^\gamma}\frac{\partial \ln g_{\gamma\gamma}}{\partial x^\beta} = 0$$

$$g_{\alpha\alpha}\left[2\frac{\partial^2 \ln g_{\alpha\alpha}}{(\partial x^\beta)^2} + \frac{\partial \ln g_{\alpha\alpha}}{\partial x^\beta}\frac{\partial}{\partial x^\beta}\ln\frac{g_{\alpha\alpha}}{g_{\beta\beta}}\right] + g_{\beta\beta}\left[2\frac{\partial^2 \ln g_{\beta\beta}}{(\partial x^\alpha)^2} + \frac{\partial \ln g_{\beta\beta}}{\partial x^\alpha}\frac{\partial}{\partial x^\alpha}\ln\frac{g_{\beta\beta}}{g_{\alpha\alpha}}\right] +$$
$$+ g^{\gamma\gamma}\frac{\partial g_{\alpha\alpha}}{\partial x^\gamma}\frac{\partial g_{\beta\beta}}{\partial x^\gamma} = 0,$$

and applied to the case of plane flow. Solution of these equations in the plane flow problem shows that x^1-component flow is possible only in three orthogonal coordinate systems: Cartesian, x,y; polar R, θ and spiral q_1, q_2. Lamé's conditions for a Euclidean space are written in the three-dimensional framework

ACCESSION NR: AP4041169

and three sets of coordinate systems are analyzed of the type

$$g_{11} = h_1(x^1)\,h_2(x^2)\,h_3(x^3),\quad g_{22} = k(x^1)\,K(x^1, x^2),\quad g_{33} = l(x^3)\,L(x^1, x^2)\ .$$

The results show that in addition to the three cylindrical coordinate systems above, a spherical system is obtained, r, θ, ψ, with particle emission of radius r = const, within a cone θ = const, moving in the radial direction. Orig. art. has: 43 equations.

ASSOCIATION: none

SUBMITTED: 17Jan64 ENCL: 00

SUB CODE: MA NO REF SOV: 004 OTHER: 015

Card 3/3

L 8486-66 EWT(d)/EWT(l)/EWP(v)/EWP(k)/EWP(h)/EWA(m)-2/EWP(l) IJP(c) AT

ACC NR: AP5021899 SOURCE CODE: UR/0207/65/000/004/0003/0009

44,55

AUTHOR: Syrovoy, V. A. (Moscow)

ORG: none

TITLE: Periodic electrostatic focusing of a laminar beam

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 3-9

TOPIC TAGS: laminar flow, electron gun, electron beam

21,44,55

ABSTRACT: A brief discussion of the literature concerning the solutions to various problems arising in the study of beams generated by emitters is presented. Applications to focusing of beams are reviewed. The problem selected for detailed discussion deals with the solution for the case of a beam moving in the interelectrode space where an electric potential having an extremum appears. Equipotential surfaces are derived. The suggested electrode shapes are found. In addition, the case of a virtual emitter between the electrodes is discussed. The results obtained in the single-extremum case are used to solve the problem of a laminar beam in a periodically focusing structure. Spatial potential distributions for such focusing are derived and one possible focusing scheme is given. Orig. art. has: 9 figures, 5 equations.

SUB CODE: 20,09/ SUBM DATE: 13May64/ ORIG REF: 007/ OTH REF: 032

BVK

Card 1/1

L 9001-66 EWT(d)/EWT(1)/EWP(m)/EWT(m)/T/EWA(m)-2 IJP(c)

ACC NR: AP5027264 SOURCE CODE: UR/0207/65/000/005/0009/0014

49

AUTHOR: Syrovoy, V. A. (Moscow) B

ORG: none

TITLE: Invariant solutions of the equations of a multi-component charged particle beam

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1965, 9-14

TOPIC TAGS: mhd, group theory, linear differential equation, partial differential equation, Poisson equation, differential equation

ABSTRACT: An earlier work by the author (Invariantno-gruppovyye resheniya uravneniy nestatsionarnogo puchka zaryazhennykh chastits. PMTF, 1964, No. 1) is extended to the equations describing a beam of charged particles in the presence of a stationary background of charge ρ_0 and to the case of beams of several species of particles. The basic equations are Poisson's equation and the first two moments of the Vlasov equation in the hydromagnetic approximation, neglecting pressure gradients. Using the formal group properties of the equations in plane, spherical, and cylindrical geometry, it is possible to write down time-dependent solutions corresponding to "optimal systems" of one- and two-parameter subgroups, which relate the potential φ and velocity $\underline{v}$ to an arbitrary time-dependent function. Results are tabulated

Card 1/2

L 9001-66
ACC NR: AP5027264

and illustrated by the example of a problem with a uniform magnetic field in plane geometry. Orig. art. has: 5 figures and 25 formulas.

SUB CODE: 20/ SUBM DATE: 26Oct64/ ORIG REF: 007

Card 2/2

L 13808-66 EWT(m)/T

ACC NR: AP6002351 SOURCE CODE: UR/0207/65/000/006/0003/0009

50
95

AUTHOR: Syrovoy, V.A. (Moscow)

ORG: none

TITLE: Certain exact solutions of equations of a stationary monoenergetic beam of charged particles

19,44,55

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1965, 3-9

TOPIC TAGS: charged particle, particle beam, Brillouin flow, numeric solution, magnetic field

ABSTRACT: The author examines a class of invariant solutions which can describe only vortex flows. It is shown that among the solutions are those which correspond to flows from a plane or cylindrical emitter upon a voltage drop across it under temperature-limited operating conditions. The author denotes the emission limited by temperature as "emission under T-conditions." A solution is obtained in an analytical form for emission from a plane in a homogeneous magnetic field perpendicular to the flow plane. The solution defines a plane magnetron under T-conditions. The solution of the problem for a cylindrical emitter is reduced to an examination of equations describing a cylindrical diode or magnetron under T-conditions; the shape of the collector is given by the distribution curve of the potential for these cases. The results can be extended to a relativistic beam if limitations are applied to its relative dimensions which permit disregarding the proper magnetic field. The author

Card 1/2

2

L 13808-66
ACC NR: AP6002351

investigates Brillouin-type flows, including nonvortical, in which the particles move, without intersecting equipotential surfaces, along three-dimensional spirals situated on the surface of cones. The author gives an analytic solution for a relativistic Brillouin flow in a conic diode with rigorous consideration of the proper magnetic field. Orig. art. has: 2 tables, 9 figures, and 16 formulas

SUB CODE: 20 / SUBM DATE: 03Apr65 / ORIG REF: 005 / OTH REF: 006

Card 2/2

L 31548-66 EWT(1)/T IJP(c)

ACC NR: AP6009044 SOURCE CODE: UR/0207/66/000/001/0003/0007

64
B

AUTHOR: Syrovoy, V. A. (Moscow)

ORG: none

TITLE: On the theory of regular electrostatic charged particle beams

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 1, 1966, 3-7

TOPIC TAGS: charged particle, particle beam, electrostatic field, Euclidean space, coordinate system

ABSTRACT: Some authors, dealing with the derivation of explicit solutions to equations of nonrelativistic monoenergetic beams of charged particles are of the opinion that the method of separation of variables has a future, but that certain difficulties may be encountered in the search for systems with variables separable. Specifically, investigations of regular electrostatic flows make extensive use of a procedure which consists of shifting to a system of coordinates related to the trajectory. In such a system, the velocity vector has only one component, so that the flow takes place in the x^1-direction (x^1-flow). This flow is termed one-dimensional. It is supposed that the procedure may prove to be effective in the search for a broad class of flows. The question of the system of coordinates, which postulate flows in the x^1-direction, is a problem more particular than the general problem of the separation of variables. The present article discusses the concept of x^1-flow from the viewpoint of its

Card 1/2

L 32180-66 EWT(1) IJP(c)

ACC NR: AP6013922 SOURCE CODE: UR/0207/66/000/002/0041/0045

AUTHOR: Kuznetsov, Yu. Ye.; Syrovoy, V. A. (Moscow)
(Moscow)

ORG: none

49
B

TITLE: The solution of equations for a regular electrostatic beam, assuming emission from an arbitrary surface

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 2, 1966, 41-45

TOPIC TAGS: electrostatics, dimensional flow, current density

ABSTRACT: An analytical solution is given for the equations for a regular electrostatic beam emitting from an arbitrary surface under conditions of full space charge. A regular beam is defined as one in which the generalized particle momentum is a potential vector. It is assumed that the emitter is the coordinate surface x^1 = const in the orthoganal system x^i (i = 1,2,3) and that the density of the emission current J is a fixed function $J(x^2, x^3)$. The solution is given as series in x^1 with coefficient functions of x^2, x^3. The first correction to the Child-Langmuir 3/2 law is determined by the sum of principal curvatures of the emitting surface with

Card 1/2

L 32180-66

ACC NR: AP6013922

respect to the expansion of an arc along the length of the x^1 axis which is orthogonal to the emitter. This solution can be used to determine the shape of a collector which will provide a given emission current density distribution at a given surface.

SUB CODE: 20/ SUBM DATE: 25Jul65/ ORIG REF: 000/ OTH REF: 008

Card 2/2

AP6021355 SOURCE CODE: UR/0207/66/000/003/0050/0057

AUTHOR: Syrovoy, V. A. (Moscow)

ORG: none

TITLE: On the solution of equations for a regular beam of particles under arbitrary emission conditions on a curvilinear surface

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1966, 50-57

TOPIC TAGS: particle beam, partial differential equation

ABSTRACT: An analytic solution is given for equations describing a regular beam emitted from an arbitrary surface under conditions of full spatial charge (ρ-regime) and in a given external magnetic field $H \neq 0$; in the case of emission limited by temperature (T-regime) in an external magnetic field H, and in the case of emission with a non-zero initial velocity. It is assumed that the emitter is a coordinate surface $x^1 = 0$ in an orthogonal system x^i ($i = 1,2,3$), and the flow density J and the field ε are given functions $J(x^2,x^3)$ and $\varepsilon(x^2,x^3)$. The solution is given in the form of series in $(x^1)^\alpha$ having coefficients which depend on x^2,x^3 and determined from recurrence relations. In the case of emission in a ρ-regime and $H \neq 0$ we have $\alpha = 1/3$; for emis-

Card 1/2

L 08826-67
ACC NR: AP6021355 O

sion limited by temperature $\alpha = 1/2$; and with an initial non-zero velocity $\alpha = 1$. The results are extended to the case of a beam on a stationary background of homogeneous density. Orig. art. has: 38 formulas.

SUB CODE: 12,20/ SUBM DATE: 30Nov65/ ORIG REF: 001

Card 2/2 nst

ACC NR: AP7003251 SOURCE CODE: UR/0207/66/000/006/0048/0057

AUTHOR: Syrovoy, V. A. (Moscow)

ORG: none

TITLE: Solution of the equations of a regular beam emitted from a curvilinear surface in the nonstationary case

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1966, 48-57

TOPIC TAGS: particle beam, charged particle, electron emission, cathode, diode electron tube

ABSTRACT: The author presents an analytic solution of the equations of a regular monoenergetic nonrelativistic beam of charged particles, having the same value and sign of specific charge, emitted from an arbitrary surface in the nonstationary case, for the case of space-charge limited emission with and without nonzero electric field on the emitter. A special coordinate system is used, in which the emitter is one of the coordinate surfaces. The current density, the electric field on the emitter, and the magnetic field are specified functions of the coordinates. The solutions are presented in the form of series in powers of the coordinates, with coefficients that depend on the time and on the remaining coordinates and are determined from recurrence relations. The results are applied to calculate emission from a planar, cylindrical, and spherical diode for the case when the high-frequency component of the current density is not small compared with the dc component. Orig. art. has:

Card 1/2

ACC NR: AP7003251

2 figures and 20 formulas.

SUB CODE: 20, 09/ SUBM DATE: 28Jul65/ ORIG REF: 003/ OTH REF: 001

Card 2/2

AUTHOR: Syrovoy, V.I., Locksmith 91-58-6-13/39

TITLE: Device for Boring Valves (Prisposobleniye dlya rastochki ventiley)

PERIODICAL: Energetik, 1958, Nr 6, p 14 (USSR)

ABSTRACT: The author describes a device for boring valves while in position, giving a detailed cross-section. The boring of 1 valve takes 10 to 15 minutes. There is one figure.

AVAILABLE: Library of Congress

Card 1/1 1. Tools-Design 2. Valves

SOV/91-59-8-3/28

8(6), 14(6)

AUTHOR: Syrovoy, V.N., Mechanic

TITLE: The Operational Experience With Stalinite Glasses in Water Level Indicators of High-Pressure Boilers

PERIODICAL: Energetik, 1959, Nr 8, pp 6-7 (USSR)

ABSTRACT: Stalinite glasses of 160x28x17 mm and 160x25x22 mm are used in VAZ water level indicators of TP-170 boilers (110 atmospheres, 510°C) at the Darnitsa TETs since 1955/56. Previously, mica plates of 0.20-0.25mm thickness were used in packs of six or seven plates, spaced at 0.5mm by "paranite" gaskets. The mica plates were bent and destroyed within three or four weeks. The author describes in detail the modifications of the VAZ water level indicator for using stalinite glasses. The stalinite glasses were protected against the attack of the boiler water by a 0.2-0.25mm thick mica plate. The stalinite glasses lasted on the average 1.5-2 months and in some cases even 3 months, proper mounting provided.

Card 1/1

SYROVOY, V.V.

Nova Herculis 1960. Astron.tsir. no.215:4-6 O '60. (MIRA 14:3)

1. Observatoriya Ural'skogo gosuniversiteta.
(Stars, New)

1. BARKHATOVA, K. A., SYROVOY, V. V.

2. USSR (600)

4. Stars-Color

7. Study of color indexes for stars inside scattered stellar clusters. Astron. zhur. 29 No. 6, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953. Unclassified.

AUTHORS: Loginov, L.I. and Syrovtseva, N.N. SOV/170-59-3-17/20

TITLE: On the Roots of the Equation $J_0(x)Y_1(kx) - J_1(kx)Y_0(x) = 0$ (O kornyakh uravneniya $J_0(x)Y_1(kx) - J_1(kx)Y_0(x) = 0$)

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 3, pp 112-114 (USSR)

ABSTRACT: In the problems of mathematical physics applied to technique occurs sometimes the transcendent equation cited in the title where $J_0(x)$ and $J_1(kx)$ are Bessel functions of the first kind of the zeroth and first order respectively; $Y_0(x)$ and $Y_1(kx)$ are Bessel functions of the second kind of the zeroth and first order respectively, and k is a constant. The roots of this equation were investigated by Sasaki [Ref. 1], Bogert [Ref. 2] and others. However, Sasaki's semi-convergent series for the roots are not suitable for direct calculations, and the value of the roots computed by other investigators are confined to small values of k-parameter. Yet in some problems, as e.g. in determination of temperature stresses in a thickness of concrete, it is necessary to know the first root of the equation for considerably larger k-values. The authors computed the values of the first root of the above-cited equation for the k-value varying within the following limits $12 \leq k \leq 130$ and plotted these values on the graph given in the

Card 1/2

SOV/170-59-3-17/20

On the Roots of the Equation $J_0(x)Y_1(kx) - J_1(kx)Y_0(x) = 0$

paper. The authors thank P.P. Yushkov for his advices in preparing this paper.
There are: 1 graph and 3 non-Soviet references.

ASSOCIATION: Tekhnologicheskiy institut kholodil'noy promyshlennosti (Technological Institute of Refrigeration Industry), Leningrad

Card 2/2

TKACHEV, A.G., doktor tekhn.nauk, prof.; DANILOVA, G.N., kand.tekhn.nauk; SYROVTSEVA, N.N., kand.tekhn.nauk; SYROVTSEVA, N.N., inzh.

Heat exchange during the artificial cooling of concrete in constructing dams. Gidr.stroi. 29 no.3:37-39 Mr '60. (MIRA 13:6)

(Dams) (Concrete construction)

SYROVY, I.

Photometric determination of formaldehyde in albumin solutions. Coll Cz Chem 27 no.7:1721-1722 Jl '62.

1. Institut fur Haematologie und Bluttransfusion, Prag.

SYROVY, I.; KOCI, J.; PALUSKA, E.

Fractionation of albuminous substances of a modified beef serum on the DEAE cellulose. Coll Cz Chem 27 no.11:2681-2685 N '62.

1. Institut fur Hamatologie und Bluttransfusion, Prag (for Koci and Paluska). 2. Institut fur Physiologie, Tschechoslowakische Akademie der Wissenschaften (for Syrovy).

SYROVY,I.; HAJEK,I.; GUTMANN,E.

Proteolytic activity of isolated protein fractions in normal and denervated muscle. Physiol. Bohemoslov. 14 no.1:12-16 '65

Degradation of proteins of M. latissimus dorsi anterior and posterior of the chicken. Ibid.:17-22

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

JAKOUBEK, B.; GUTMANN, E.; HAJEK, I.; SYROVY, I.

Changes in protein metabolism of peripheral nerve during functional activity. Physiol. Bohemoslov. 12 no.6:553-561 '63.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

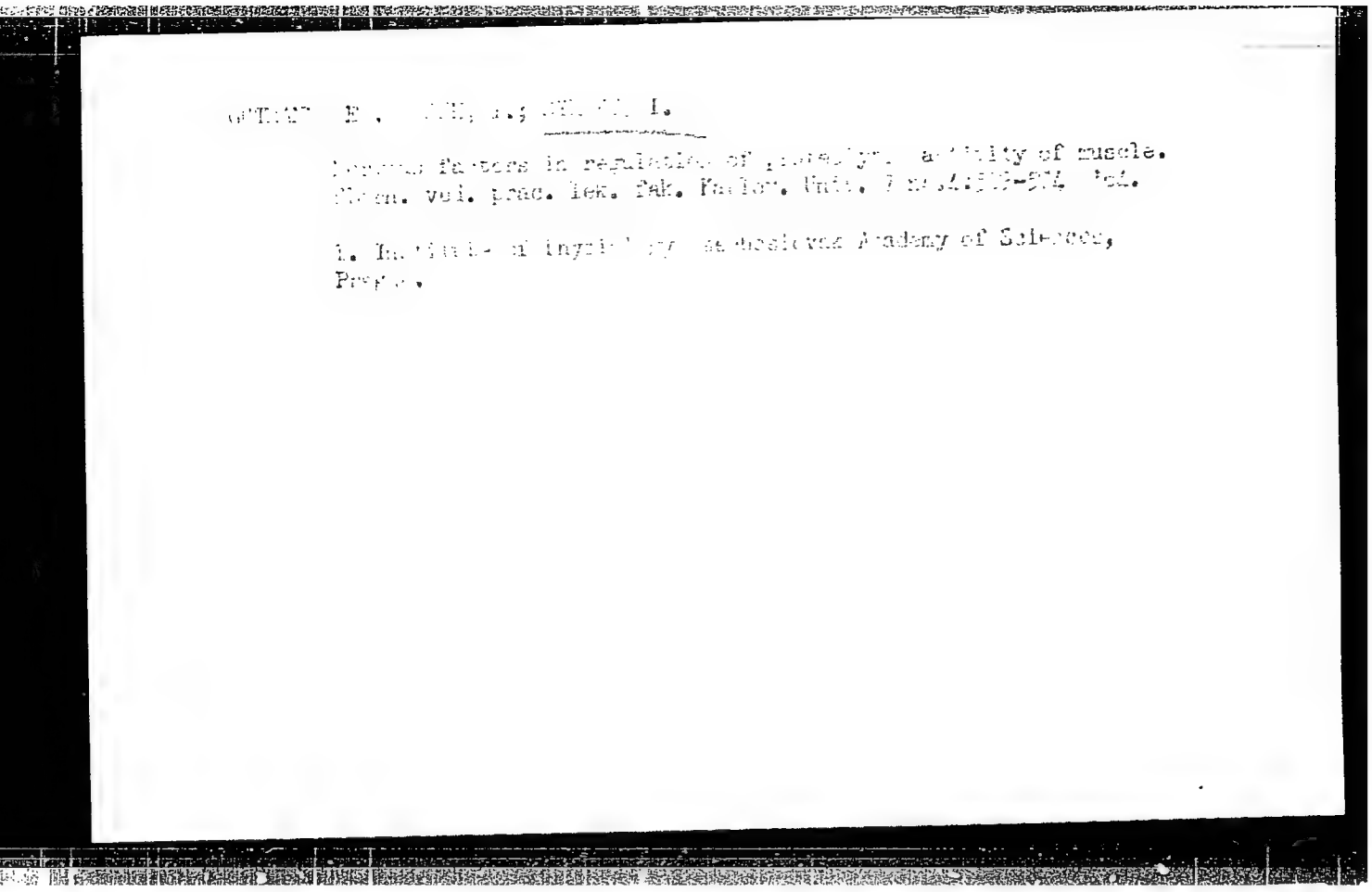
(NERVE TISSUE PROTEINS) (PERIPHERAL NERVES)
(ELECTROPHYSIOLOGY) (SWIMMING)
(CHROMIUM ISOTOPES)

HAJEK,I.; GUTMANN,E.; SYROVY,I.

Proteolytic activity and denervated and reinnervated muscle. Physiol. Bohemoslov. 13 no.1: 32-38 '64.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.

*



CZECHOSLOVAKIA

SYROVY, I., HAJEK, I., GUTMANN, E; Physiological Institute, Czechoslovak Academy of Sciences (Fysiologicky Ustav CSAV), Prague.

"Factors Influencing Proteolytic Activity in Denerved Muscle."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 110

Abstract: Proteolytic activity was determined by measuring the amount of substrate decomposed by muscle extract from a normal and a denerved muscle. As substrate denatured hemoglobin, glycyl-L-phenylalanyl-p-nitroanalid, leucine-p-nitroanilid and glycine-p-nitroanilid were used. The increased proteolytic activity shown by a denerved muscle is not due to a change in concentration of activators or inhibitors of proteolytic enzymes or to the release of bound lysosomal enzymes or to structural changes of muscle proteins, but probably is due to an increase in synthesis of active proteolytic enzymes. 2 Western, 3 Czech, 2 Russian references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

SYROVY, J., inz.

Automatic cyclic weighing batcher AVD-P-0,5 controlled by punched card programming is the main element for complete automation of mixing processes. Stavivo 41 no.2:49-51 F '63.

1. Prerovske strojirny, n.p., Vyzkumny ustav stavebnich a keramickych stroju, Brno.

SYROVY, J., inz.

Automatic continuous weighing batcher AVD 70. Stavivo 41 no. 12: 442-444 D '63.

1. Prerovske strojirny, n.p., Vyzkumny ustav stavebnich a keramickych stroju, Brno.

RUZICKA, O.; SYROVY, J.

Oximeter produced in Czechoslovakia; photocolorimeter for investigation in vivo. Cesk. fysiol. 4 no.1:98-107 28 Feb 55.

1. Katedra chirurgie Vojenske lekarske akademie, Hradec Kralove a Fysikalni ustav fak. elektrotechnickeho inzenyrstvi CVUT, Praha.

(OXYGEN, in blood,
determ. in vivo, oximetry with photocolorimeter)
(BLOOD,
oxygen, determ. in vivo, oximetry with photocolorimeter)

SYROVY, J.; RUZICKA, O.

Light permeability of the tissue and its significance in determination of oxygen saturation of the arterial blood in vivo. Cesk. fysiol. 4 no.2:204-207 May 55.

1. Fakulta detskeho lekarstvi Karlovy university, Praha, katedra chirurgie Vojenske lekarske akademie, Hradec Kralove a Fysikalni ustav fak. elektrotechnickeho inzenyrstvi CVUT, Praha.

(BLOOD,
oxygen saturation, determ., transillumination technic in vivo)
(OXYGEN, in blood,
determ., transillumination technic in vivo)

RUZICKA, Otakar, podplukovnik MUDr; SYROVY, Jiri MUC

Oxygen saturation of the blood during anesthesia in surgery and its photoelectric measurement (Oximetry) Rozhl.chir. 34 no.3:168-178 Mar 55

1. Z katedry chirurgie Vojenske lekarske akademie a z Fysikalniho ustavu fakulty elektrotechnickeho unzenyrstvi CVUT, prednosta prof. dr. ing. J.B.Slavik

(ANESTHESIA,
oxygen saturation, oximetry)
(BLOOD
oxygen saturation in anesth., oximetry)

ZELENKA, J.; SYROVA, E.; SYROVY, J.

Care of premature infants with very low birth weights; clinical studies. Cas. lek. cesk. 96 no.24-25:781-785 21 June 57.

1. Krajske oddeleni pro nedonosene deti pri OUNZ Cheb, prednosta prim. MUDr. J. Zelenka. J.Z. Cheb, Brandlova 15.

(INFANT, PREMATURE
care of inf. with very low birth weights, statist.
(Cz))

SYROVY, Jan

New paper tube drying method. Papir a celulosa 20 no. 2:38-39 F '65.

1. Vychodoceske papirny, Plant Hostacov.

ZELENKA, J.; SYROVY, J.; JILKOVA, B.

Colimycin--a new antibiotic. Cesk. pediat. 20 no.9:814-816 S '65.

1. Detske oddeleni nemocnice s poliklinikou v Chebu (vedouci MUDr. J. Zelenka) a Detske oddeleni nemocnice s poliklinikou v Moravske Trebove (vedouci J. Syrovy, prom. detsky lekar).

KRAL, L., Praha 4, nam. Hrdinu 8; CERMAK, V.; MARIK, A.; SKOKAN, Z.V.; SYROVY, J.

Leiomyomas of the lung. Cas. lek. Cesk. 104 no.42:1145-1149 22 O '65.

1. Chirurgicke oddeleni nemocnice Na Frantisku v Praze 1 (vedouci MUDr. V. Cermak), Rentgenologicke oddeleni nemocnice Na Frantisku v Praze 1 (vedouci MUDr. J. Syrovy), Rentgenologicke oddeleni polikliniky Obvodniho ustavu narodniho zdravi v Praze 1 (vedouci MUDr. Z.V. Skokan) a Tuberkulozni oddeleni polikliniky Obvodniho ustavu narodniho zdravi v Praze 1 (vedouci MUDr. B. Vodickova). Submitted October 1964.

SYROVY, K.

Problems and tasks of the patent policy. p. 93.

(Sbirka Vynalezu. Vol. 6, no. 5, May 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

SYROVY, K., inz.

Design of a cascade thermoelectric battery. Strojirenstvi 13 no.10:741-744 O '63.

1. Vyzkumny ustav stroju chladicich a potravinarskych, Praha.

SYROVY, K., inz.

Application of the Peltier effect in thermoelectric cooling.
Strojirenstvi 13 no.6:464-471 Je '63.

1. Vyzkumny ustav chladicich a potravinarskych stroju, Praha.

SYROVY, K., inz.

Use of thermoelectric cooling. Strojirenstvi 13 no.7:543-550 Jl '63.

1. Vyzkumny ustav stroju chladicich a potravinarskych, Praha.

L 34526-66

ACC NR: AP6024777 SOURCE CODE: CZ/0014/65/000/007/0257/0259

AUTHOR: Syrovy, Karel (Engineer)

ORG: none

TITLE: Thermoelectrically cooled cabinet for the 'Racek' transceiver

SOURCE: Sdelovaci technika, no. 7, 1965, 257-259

TOPIC TAGS: transceiver, thermoelectric cooling, Peltier effect, refrigeration equipment

ABSTRACT: The article describes equipment utilizing the Peltier effect to cool a transceiver with good results. Because of the unavailability of Czechoslovak conventional refrigeration equipment for such a small amount of cooling, and the costs which would have to be incurred in developing such equipment, the described system is comparable in cost in this application. Orig. art. has: 7 figures, 3 formulas and 2 tables. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none / ORIG REF: 009

Card 1/1

HRADSKY, M.; SYROVY, K.; SAROUN, B.; PRIBORSKY, V.; KOZAK, J.

Thermoelectric cooling device for local hypothermia of the stomach. Cesk. gastroent. vyz. 19 no.6:372-375 S '65.

1. I. interni klinika lekarske fakulty Karlovy University v Hradci Kralove (prednosta prof. dr. F. Cernik); Zavody Viteznego unora -- Vyzkumny ustav, Praha-Smichov.

SYROVY, M.

Automation of hydroelectric-power plants. p. 33. (CZECHOSLOVAK HEAVY INDUSTRY, No. 6, 1957, Prague, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

SYROVY, M.; DRBOHLAV, J.

SYROVY, M.; DRBOHLAV, J. Automation of hydroelectric power plants. p. 38.

Vol. 12, no. 2, Feb. 1957
ELEKTROTECHNIK
TECHNOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

SYROVY, M.

Automation of hydraulic-power plants. p. 13.

CZECHOSLOVAK HEAVY INDUSTRY. (Ceskoslovenska obchodni komora) Parha, Czechoslovakia. No. 12, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

SYROVY, Miloslav, inz.

Determining the technical and economic indexes for hydroelectric power plant automation. Energetika Cz 11 no.6:271-274 Je '61.

SYROVY, Miroslav, inz.

Rapid starting of generators in peak load water power stations and its economic importance during an emergency in the electric system. Energetika Cz 11 no.7:320-323 Jl '61.

BORZYNSKA, Bozena; JONCZYK, Barbara; SYROWATKA, Tadeusz; WYSOCKI, Eugeniusz

Preliminary evaluation of antibacterial properties of arydil soaps.
Przegl. epidem. 15 no.3:325-329 '61.

1. Z Laboratorium Technologicznego Dezynfekcji, Dezynsekcji, Deratyzacji Ministerstwa Zdrowia i Opieki Spolecznej Kierownik: dr Konrad Zembrzuski.
(ANTISEPTICS) (SOAPS)

SYROWATKA, Tadeusz; JEDYNAK-MANKOWSKA, Halina

Construction and use of an automatic micrometric device for the determination of contact insecticides by the "topical application" method. Wiad. parazyt. 9 no.2:147-154 '63.

1. Laboratorium Technologiczne Dezynfekcji, Dezynsekcji, Deratyzacji Ministerstwa Zdrowia i Opieki Spolecznej, Warszawa.
(INSECTICIDES) (EQUIPMENT AND SUPPLIES)

KOSTRZENSKI, Wladyslaw; PAKLERSKA-POBRATYN, Hanna; SYROWATKA, Tadeusz; GACKOWSKI, Jozef.

Studies of a new tuberculostatic compound from the group of arylides of aromatic hydroxyacids. Arch. immun. ther. exp. 12 no.2:242-251 '64.

1. Bacteriological Laboratory of the Provincial Tuberculosis Dispensary, Warsaw.

KOSTRZENSKI, Wladyslaw; PAKLERSKA-POBRATYN, Hanna; SYROWATKA, Tadeusz

Effect of 4-chloroanilide of 5-chlorosalicylic acid on Mycobacterium tuberculosis in vitro. Gruzlica 33 no.3:203-207 Mr'65.

1. Z Zakladu Mikrobiologii Instytutu Gruzlicy (Kierownik: doc. dr. M. Buraczewska) i z Zakladu DDD Panstwowego Zakladu Higieny (Kierownik: doc. dr. A. Bojanowska), Warszawa.

SYROWATKA, Tadeusz

Effect of temperature on the oxygen consumption by flies (Musca domestica L.) exposed to gamma-HCH . Wiad. parazyt. 11 no.3: 185-190 '65.

1. Zaklad Dezynfekcji, Dezynsekcji, Deratyzacji Panstwowego Zakladu Higieny, Warszawa.

SYROYECHKOVSKAYA, M.N., kandidat meditsinskikh nauk.

Paraffin. Zdorov'e 2 no.3:29 Mr '56. (MLRA 9:6)

(PARAFFIN)

SYROYECHKOVSKAYA, Mariya Nikolayevna

[Paraffin therapy] Parafinolechenie. Moskva, Medgiz, 1958. 108 p. (MIRA 12:3)

(PARAFFINS--THERAPEUTIC USE)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

Sand baths. Zdorov'e 5 no.7:31 Jl '59. (MIRA 12:11)
(SAND--THERAPEUTIC USE)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

Baths, showers, sponge baths. Zdorov'e 5 no.10:29 O '59. (MIRA 13:2)

(BATHS)

SYROYEZHKOVSKAYA, M.N.

Paraffin therapy. Med. sestra 18 no.5:14-19 My '59. (MIRA 12:7)
(PARAFFINS--THERAPEUTIC USE)

NEVRAYEVA, A.S.; SYROYECHKOVSKAYA, M.N.

Hydrogen sulfide waters. Med. sestra 18 no.5:25-27 My '59. (MIRA 12:7)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya RSFSR, Moskva.
(MINERAL WATERS, SULPHUROUS)

KAPLUN, N.A.; PLEMYANNIKOVA, N.N.; SKURIKHINA, L.A.; SYROYECHKOVSKAYA, M.M.; FEDOROVICH, N.V.; OBROSOVA, A.N., prof., red.; MANIKOV, M.Ye., red.; ZAKHAROVA, A.I., tekhn.red.

[Practical manual on applying physiotherapeutic procedures] Prakticheskoe rukovodstvo po provedeniiu fizioterapevticheskikh protsedur. Pod obshchei red. A.N.Obrosova. Moskva, Gos.izd-vo med.lit-ry Medgiz, 1960. 182 p. (MIRA 14:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Obrosov).

(PHYSICAL THERAPY)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

Sea salt baths. Zdorov'e 6 no.12:29 D '60. (MIRA 13:12)
(SALT—THERAPEUTIC USE)

SYROYECHKOVSKAYA, Mariya Nikolayevna, kand. med.nauk; NEYMAN, M.N., red.; BALDINA, N.F., tekhn. red.

[Water in the treatment and prevention of diseases] Voda v lechenii i preduprezhdenii boleznei. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 34 p. (MIRA 14:8)

(HYDROTHERAPY)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

Hydrogen sulfide waters. Zdorov'e 7 no.3:30 Mr '61. (MIRA 14:3)
(MINERAL WATERS, SULPHUROUS)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

Naftalan. Zdorov'e 7 no.6:31 Je '61. (MIRA 14:7)
(PETROLEUM—THERAPEUTIC USE)

SYROYECHKOVSKAYA, M.N.

Subaquatic shower-massage. Vop. kur., fizioter. i lech. fiz. kul't. 26 no. 2:155-160 Mr-Ap '61. (MIRA 14:4)

1. Iz Nauchno-issledovatel'skogo instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - kandidat med. nauk G.N. Pospelova).
(HYDROTHERAPY)

SYROYECHKOVSKAYA, M.N.

Hydroelectric bath. Vop. kur., fizioter. i lech. fiz. kul't. 26 no.5:447-450 S-O '61. (MIRA 14:11)

1. Iz Nauchno-issledovatel'skogo instituta kurortologii i fizioterapii (dir. - G.N.Pospelova) Ministerstva zdravookhraneniya RSFSR.

(BATHS, ELECTRIC)

REYDIN, Kh.M., prof.; SYROYECHKOVSKAYA, M.N., kand.med.nauk

Mud therapy. Zdorov'e 8 no.3:26-27 Mr '62. (MIRA 15:4)
(BATHS, MOOR AND MUD)

SYROYECHKOVSKAYA, M.N., kand.med.nauk (Moskva)

Hydrotherapy. Med. sestra 21 no.5:34-40 My '62. (MIRA 15:5)
(HYDROTHERAPY)

SYROYECHKOVSKAYA, M.N., kand.med.nauk

"Naphthalan and its therapeutic action" by T.G.Pashaev. Reviewed by M.N.Syroechkovskaia. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.3:272-273 My-Je '62. (MIRA 15:9)

(NAPHTHALAN)

SYROYECHKOVSKAYA, M.N.

Hydrogen sulfide baths in compound treatment of patients with infectious nonspecific polyarthritis. Vop.kur.fizioter. i lech. fiz. kul't. 28 no.2:152-157 Mr-Ap'63. (MIRA 16:9)
(BATHS,MEDICATED) (ARTHRITIS, RHEUMATOID)

SYROYECHKOVSKAYA, M.N.

Changes in the permeability of the capillary structures of connective tissues in patients with infectious nonspecific polyarthritis following a compound treatment with sulfur baths and hormonal preparations. Vop. kur. fizioter. i lech. kul't. 28 no.5:428-434 S-O '63. (MIRA 17:9)

1. Iz bal'neoterapevticheskogo otdela (zav.-prof. Kh.M. Freydin) TSentral'nogo instituta kurortologii i fizioterapii (dir. G.N. Pospelova).

SEREGINA, Lidiya Fedorovna; SYROYECHKOVSKAYA, Mariya Nikolayevna; POPOVA, G.F., red.

[Sun, air and water] Solntse, vozdukh i voda. Moskva, Meditsina, 1965. 77 p. (MIRA 18:10)

BABENKOVA, S.V.; ZHIRMUNSKAYA, Ye.A.; SYROYECHKOVSKAYA, M.Ye.; TSUKER, M.B.; YUSEVICH, Yu.S. (Moskva)

The nervous system in Urov's disease. Klin.med., 33 no.11:48-54 N '55. (MLRA 9:7)

1. Iz Instituta nevrologii AMN SSSR (dir.-deystvitel'nyy chlen AMN SSSR prof. N.V.Konovalov)

(OSTEOARTHRITIS,
deformans endemica, nervous system in)
(NERVOUS SYSTEM, in various diseases,
osteoarthritis deformans endemica)

SYROYECHKOVSKAYA, M.Ye.

Dynamics of blood pressure and peculiarities of vascular reactivity in hypertension following cerebral apoplexy [with summary in French]. Zhur.nevr.i psikh. 57 no.8:941-947 '57. (MIRA 10:11)

1. Institut nevrologii (dir. - prof. N.V.Konovalov) AMN SSSR, Moskva.
(HYPERTENSION, complications,
cerebral hemorrh., eff. on blood pressure & vasc. reactivity (Rus))
(CEREBRAL HEMORRHAGE, etiology and pathogenesis,
hypertension, eff. on blood pressure dynamics & vasc. reactivity (Rus))
(BLOOD PRESSURE, in var.dis.
hypertension with brain hemorrh. (Rus))

SYROVEZHKOVSKAYA, E.Ye, Cand Med Sci — (diss) "Dynamics of blood pressure and the ~~reactive~~ state of vascular of blood vessels in patients ~~with the hypertonic~~ hypertension disease who ~~suffered~~ have experienced cerebral insult." Mos, 1958. 13 pp (Acad Med Sci USSR), 200 copies (KL, 24-58, 124)

SYROYECHKOVSKAYA, M. Ye.; FOKIN, M. A. (Moskva)

Some characteristics of the plethysmogram in patients with various forms of rheumatic lesions of the nervous system. Klin. med. no.9:56-60 '61. (MIRA 15:6)

1. Iz TSentral'nogo instituta sudebnoy psikhiatrii imeni professora Serbskogo (dir. - dotsent G. V. Morozov) i kafedry nervnykh bolezney (zav. - prof. N. S. Chetverikov) TSentral'nogo instituta usovershenstvovaniya vrachey.

(BRAIN--DISEASES) (RHEUMATIC FEVER)
(PLETHYSMOGRAPHY)

SYROYECHKOVSKIY, Ye.Ye.

Sand viper in Kara-Kalpak. Priroda 42 no.9:116 S '53. (MLRA 6:8)

1. Institut geografii Akademii nauk SSSR.
(Kara-Kalpak--Serpents) (Serpents--Kara-Kalpak)

NAUMOV, N.P.; SYROYECHKOVSKIY, Ye.Ye.

Sand dune cat of Central Asia [Felis margarita Loche]. Priroda 42 no.12:115 D '53. (MLRA 6:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Soviet Central Asia--Cats) (Cats--Soviet Central Asia)

SYROYECHKOVSKIY, Ye.Ye.

Damage caused to the orchards and vegetable gardens of Northern Caucasus by black headed jays. Biul.MOIP. Otd.biol. 58 no.1:13-17 '53. (MLRA 6:5)
(Caucasus, Northern--Jays) (Jays--Caucasus, Northern)

SYROYECHKOVSKIY, YE. YE.

SYROYECHKOVSKIY, YE. YE. -- "Geographical Distribution of Ichthyophagous Birds of the Northern Caspian." Acad Sci USSR, Inst of Geography, Moscow, 1955. (Dissertations for the Degree of Candidate in Geographical Science)

SO: Knizhnaya Letopis' No 39, 24 Sept 55